BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Estimate for Construction of RCC drain from Nanjappa circle Dwaraka choultry to Saptagiri layout (KEB office) in road in ward No. 09 in Vidyaranyapura sub Division.*

Estimated Cost: ***Rs. 49.00 Lakhs***

40.00

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Construction of RCC drain from Nanjappa circle Dwaraka choultry to Saptagiri layout(KEB office) in road in ward No. 09 in Vidyaranyapura sub Division.**

			Estimate Cost:					**4000000.00**	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	For CC Drain								
	Main Road from Dwara Chhowlty to SWD LHS		1	435.00	1.00	0.90	391.50		
	Main Road from Dwara Chhowlty to SWD RHS		1	250.00	1.00	0.90	225.00		
							616.50	90.72	**55929.00**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 / Item No. 4.3 PWD SR - 2013-14**	Cum							
	Main Road from Dwara Chhowlty to SWD LHS		1	435.00	1.00	0.15	65.25		
	Main Road from Dwara Chhowlty to SWD RHS		1	250.00	1.00	0.15	37.50		
							102.75	4290.84	**440884.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							
3	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2013-14**	Sqm							
	Main Road from Dwara Chhowlty to SWD LHS		4	435.00		0.60	1044.00		
	Main Road from Dwara Chhowlty to SWD RHS		4	250.00		0.60	600.00		
	Covering Bottom		1	435.00	0.60		261.00		
			1	250.00	0.60		150.00		
	Covering Sides		2	435.00		0.15	130.50		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			2	250.00		0.15	75.00		
							2260.50	271.08	**612776.00**
	Basic Rate	251.00							
	Area Weightage @ 8%	20.08							
	Total	**271.08**							
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR 2013-14**	Cum							
	Main Road Bottom		1	435.00	0.90	0.15	58.73		
			1	250.00	0.90	0.15	33.75		
	Side Walls		2	435.00	0.15	0.60	78.30		
			2	250.00	0.15	0.60	45.00		
	Covering Slab		1	435.00	0.90	0.10	39.15		
			1	250.00	0.90	0.10	22.50		
							277.43	5639.76	**1564610.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
5	KSRB 4.9.2: Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14**	Qntl							
			0.60	277.43			**166.46**	7450.92	**1240243.00**
	Basic Rate	6899.00							
	Area Weightage 8%	551.92							
	Total	**7450.92**							
6	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
				Vide Item No. 1			**616.50**	72.71	**44823.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Add loading and unloading Vide item no.17.1 .no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
7	For Third Party QC Charges @ 1% on Estimate Cost								**40000.00**
8	Miscellaneous and other Charges	L/S							**735.00**
								Total	**4000000.00**
(Rs. Fourty Lakhs Only)									

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

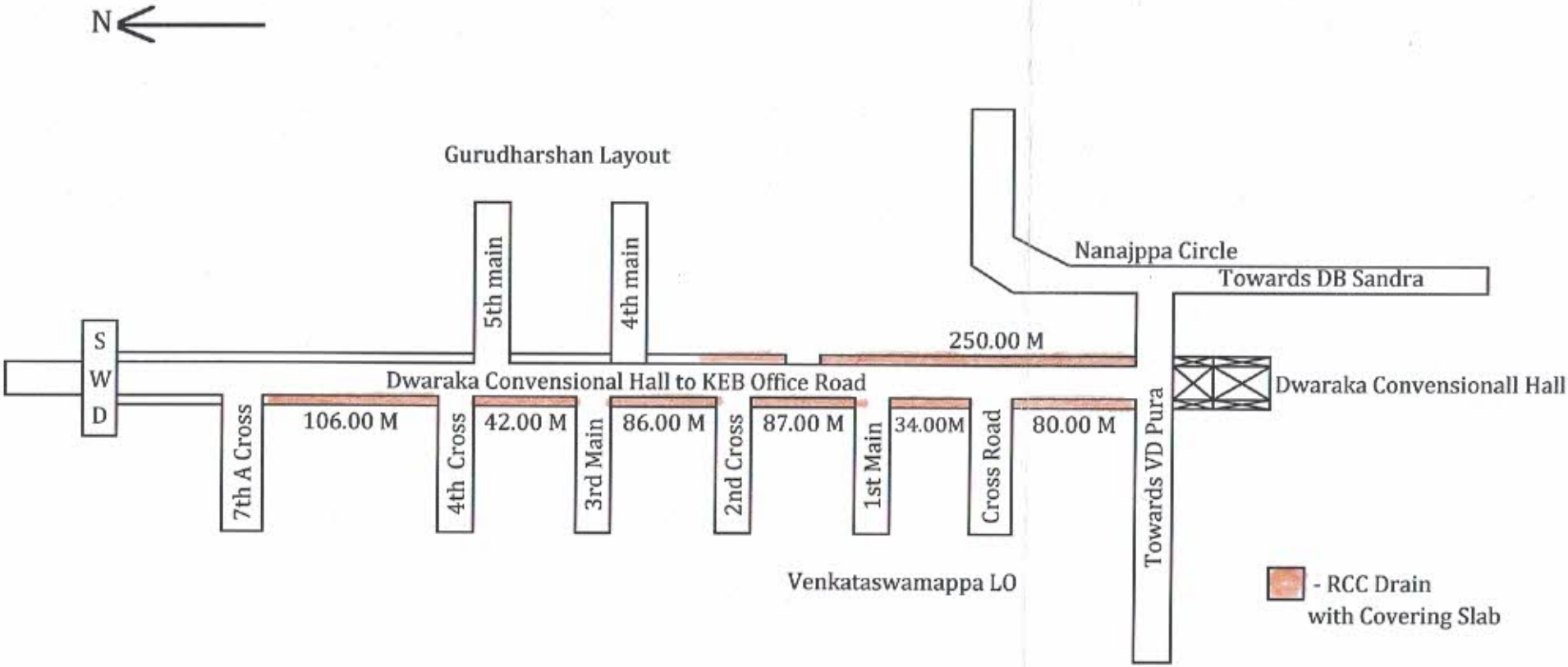
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical sanction for Rs. 40.00 lakhs
Fourty lakhs only
Under
registered as SE(YNK)154/13-14 Subject
to conditions contained enclosed memo.
No: 23/12/13. Dt.
AE/JE
EE (BTP. Div.)

ADMINISTRATIVELY SANCTIONED FOR RS. 40
Rupees Fourty lakhs only
Under
Registered as EE ( ) No
Subject to conditions con
enclosed memo EE ( ) No
Dt Estimate A/
Add Cum(42) A No 627/13-14
dated 23/12/2013 Rs 40.00 la

Commissio
(Yelahanka Zone
BBMP, Bengaluru-

Sketch Showing the Work of Construction of RCC Drain from Nanjappa Circle Dwaraka Chowltry to Sapthagiri Layout (KEB Office) in Ward No. 09 (Vidyaranyapura), Vidyarnyapura Sub Division.



Assistant Engineer
Ward No. 09